



# Air Force Research Laboratory|AFRL

*Science and Technology for Tomorrow's Air and Space Force*

## **Success Story**

### **SPACE VEHICLES TEAM EARNS AIAA AWARD**



The American Institute of Aeronautics and Astronautics (AIAA) is the world's largest professional society devoted to the progress of engineering and science in aviation, space, and defense. The AIAA presented the Space Systems Technical Team Award to the Space Vehicles Directorate/Boeing XSS-10 Team for their contributions toward microsatellite technology.



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### **Accomplishment**

The AIAA honored the directorate's Boeing XSS-10 Team for its outstanding achievements in the architecture, analysis, design, and implementation of the XSS-10 microsatellite. The XSS-10 flight demonstration successfully performed a series of on-orbit maneuvers around the second stage of the Delta II during its 20-hour mission. The team's success is the first step towards applying microsatellite technology to military space missions and paves the way for more ambitious experiments on XSS-11 and future programs.

### **Background**

The team developed the 65-pound XSS-10, the first on-orbit experimental microsatellite, which launched aboard a Boeing Delta II rocket from Cape Canaveral Air Force Station, Florida, while working with the Air Force Space and Missiles Center Detachment-12. Additional key contractor team members were Boeing Rocketdyne, Octant Technologies, Jackson and Tull, and Swales Aerospace.

Space Vehicles  
Awards and Recognition

### **Additional information**

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (04-VS-01)